

Eastern States Consortium Split Sample Comparison

Manufacturer/Location: Soleno Iberville
Date of Production: 2006-04-05
Type: S
Size: 900mm
Perforation Class: 1
Specification: M294

Section	Specification	Test Results	
		TRI/Environmental	(Soleno)
6.1 Basic Materials	Minimum Cell Class 335400C	335400C	335420C
	Density .948 to .955 g/cm³	0,953	0,955
	Melt index .15 to .40 g/10 min.	0,194	0,2044
	Carbon Black Content - 2 to 5%	2,78	2,12
	NCLS with 4100 kPa and 20% notched depth for 24 hours	69	58,9
7.1 Workmanship	Free of foreign inclusions and visible defects. Inner liner shall be fused to outer corrugated wall at all internal corrugation crests.	Pass	Pass
7.2 Pipe Dimensions, 7.2.2 Wall Thickness	The minimum inner wall thickness requirement is _____ mm (_____ ")	2.76 (0.109)	2.45 (0.096)
7.2 Pipe Dimensions, 7.2.3 Inside Diameter	Nominal inside diameter shall not exceed 4.5% oversize or 1.5% undersize and not more than 37mm oversize. _____ to _____ mm (_____ to _____ ")	899.16 (35.4)	901.56 (35.49)
7.3 Perforations	Solid Pipe, Class 1, Class 2	Class 1	Class 1
	Nominal perforation diameter of 5 - 10mm (0.20 - 0.39")	N/A	N/A
	Inlet area of _____ cm²/m (_____ in²/ft)	N/A	N/A
7.4 Pipe Stiffness	Minimum pipe stiffness requirement at 5% deflection is _____ kPa (_____ psi), @ 0° / 45° / 90°	262 / 262 / 255 (38 / 38 / 37)	259 / 252 / 256 (38 / 37 / 37)
7.5 Pipe Flattening	No evidence of buckling, cracking, splitting or delamination. when the vertical inside diameter is reduced by 20%.	Pass	Pass
7.6 ESCR	There shall be no cracking of the pipe.	Pass	Pass
7.7 Brittleness	The pipe specimens shall not crack or split. Five non-failures out of six impacts will be acceptable.	Pass	Pass
7.8 Fitting Requirements	Pipe connections shall not separate to create a gap exceeding 5mm (0.197") when measured between the bell and spigot portions of pipe fittings shall not crack or delaminate.	Pass	Pass
11 Marking	Pipe and fitting shall be marked at intervals not more than 3.5m (11.5'), manufacture's name or trademark, nominal size, AASHTO M294, plant code and date of manufacture of appropriate code.	Pass	Pass



Quality Control Manager